



## CELLCAM SYSTEMS

Exceptional image quality and performance

Radius Vision Cellcam is perfect for remote outdoor locations, construction projects, scientific studies. Rugged waterproof design rated from -22F to +140F.

### METHODS OF VIEWING SYSTEM INCLUDE:

- Live camera access from any internet connection worldwide (with authorized admin access)
- Playback of video stored on-board camera (up to 64GB flash memory)
- Playback of video stored on local network area storage device (up to 4TB NAS)
- FTP images to server located off site for archival viewing (up to 176TB storage per unit)

When powering video system with solar energy, we try to minimize the power requirements which reduces the size and expense of the solar plant required. Tactics include supplying with a low power Mobotix camera (operates on just 3 watts of power) and using timers for projects that don't require 24/7/365 operation.

If your project requires a pan-tilt-zoom camera we typically provide an AXIS pan-tilt-zoom model IP camera which includes: outdoor housing, heater/fan, power supply and mounting accessories.

Cellcam systems are shipped fully tested on your cellular account, configured for your project. Just mount on a pole or wall. Systems are operational within minutes of powering up. Field engineering and installation services are available upon request.

### APPLICATIONS

Radius Vision Cellcam is the solution for remote locations or temporary applications that lack typical communications infrastructure.

- Remote Facilities & Work Sites
- Law Enforcement, first responders (rapid deployment models)
- Construction Sites
- Scientific Studies
- Wildlife Studies
- Weather Observation
- Marketing (live images delivered to web site)

### CAMERA FEATURES

3 Megapixel, Single or Dual Lens, Day or Night Image Sensors

- No monthly hosting fee
- No additional housings, fans, heaters or mounts to purchase
- No additional software required, all software included at n/c
- No moving parts to fail
- Built in Linux based PC
- Built in DVR
- Up to 64GB SD flash memory on board camera
- Record directly to NAS, up to 176TB RAID 0, 1, 5, 6, 10
- Image/event processing at camera level, very low network load
- Power Over Ethernet (POE)
- 2 way audio & VoIP telephony
- Telephone, email & text messaging upon alarm/event
- Superior German Optics, Engineering & Reliability

### CELL MODEM FEATURES

#### Product Features:

Embedded Intelligence  
High-Speed Processor  
Machine Protocols  
Class I Div 2 Certified

#### Product Benefits:

Persistent Network Connectivity  
High-Speed 2-Way Data  
Certified for Hazardous Environments  
Remote Management and Configuration

### Pictured: Solar Powered Cellular Video System

30% Federal Tax Credit available for solar plant

No monthly hosting fee



### TECHNICAL SPECIFICATIONS

#### Technology

CDMA EV-DO Revision A  
With Fallback to:  
CDMA 1x EV-DO Revision 0  
CDMA 1xRTT  
CDMA IS-95

#### Bands

800 Mhz Cellular  
1900 Mhz PCS

#### Environmental

Operating Temperature:  
-30 to 70° Celsius  
Storage Temperature:  
-40 to 85° Celsius

#### Power Consumption (@12V DC)

Transmit/Receive (Typical/Max): 239/270 mA  
Idle: 104 mA  
Dormant: 85 mA  
Input Voltage 9 - 28V DC

#### Standards/Approvals

FCC  
Industry Canada  
Class I Div 2  
Carrier specific approvals

#### Host Interfaces

Ethernet: 10/100 Mbps RJ-45  
RS-232: DB9 DCE(1200 - 230400 baud)  
Antenna Connection:  
Primary - 50 Ohm SMA  
Receive Diversity - 50 Ohm SMA

#### Application Interfaces

TCP/IP, UDP/IP, DHCP, HTTP, SNMP, SMTP,  
SMS, MSCI, Modbus, Binary and more

## HIGH PERFORMANCE IP CAMERAS & VIDEO MANAGEMENT SYSTEMS

Our sales and support staff has thousands of hours of experience with system design and technical support. We regularly attend classroom trainings and webinars to stay current on all aspects of IP video systems.

### We are factory trained and certified with:

#### IP Cameras:

- Mobotix Security Vision Systems
- Arecont Vision
- AXIS Communications

#### Video Management Systems (VMS):

- Mobotix Security Vision Systems
- Milestone Systems VMS
- Exacq Technologies VMS



## OPTIONS & ACCESSORIES



### Solar Power

Solar power plants typically range from 40 watts to 260 watts, depending on where in the country you are located and what your intended use is. May be wall mounted, pole mounted or mounted on ground. Call us to determine what size plant will be required.



### Wireless Networks

A wireless network may be the right choice if it's not practical to run cable due to distance or obstructions or at your remote location with a cell modem providing the backhaul. Single, dual or triple radio systems, 900MHz, 2.4GHz, 4.9GHz, 5.8GHz.



### Cellcam

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### Lighting Systems

Surface mount LED infrared light, white light or hybrid systems for situations that require additional light. Lights may be activated by various inputs such as timers, motion detectors, sound, or I/O switches.



### Perimeter Protection Devices

Passive infrared motion sensors, photoelectric beams, laser beams, visual sensors.



### Live Monitoring Services

Video system may be monitored by professional security company that will notify you or police as required.



### Storage

Up to 64GB flash memory on board camera, 4TB NAS device for local storage. Up to 176TB off site storage utilizing FTP.

### Further Options

Thermal imaging systems  
Explosion proof cameras  
Industrial grade switches  
Servers: Windows/Linux  
Portable/mobile units  
Power supplies  
PoE hardware  
Video Analytics

## ABOUT RADIUS VISION

Radius Vision designs, manufactures and integrates high performance industrial grade IP video and audio systems for industrial control, production efficiency, law enforcement, facilities security, scientific studies, construction sites and remote locations.

**Do you have a unique application that requires a custom built system? We provide engineered solutions. Feel free to call and discuss your project.**

We use our in depth knowledge of IP video, IT infrastructure, wireless networks, cellular communications and remote power systems to integrate cameras into systems that meet our customer's needs.

**Our clients define the need. Radius works to design the solution**

Our solutions typically involve selecting cameras, management software and common off the shelf IT/PC components, defining effective local and wide area communications infrastructure and integrating the appropriate software applications. This combination of services and products allows our clients to deploy powerful, scalable video systems to enhance production efficiency and facilities security.

## RADIUS VISION

For more information,  
call 800.448.6140,  
or email us at  
sales@radiusvision.com.

*Field engineering and  
installation services  
are available upon  
request*